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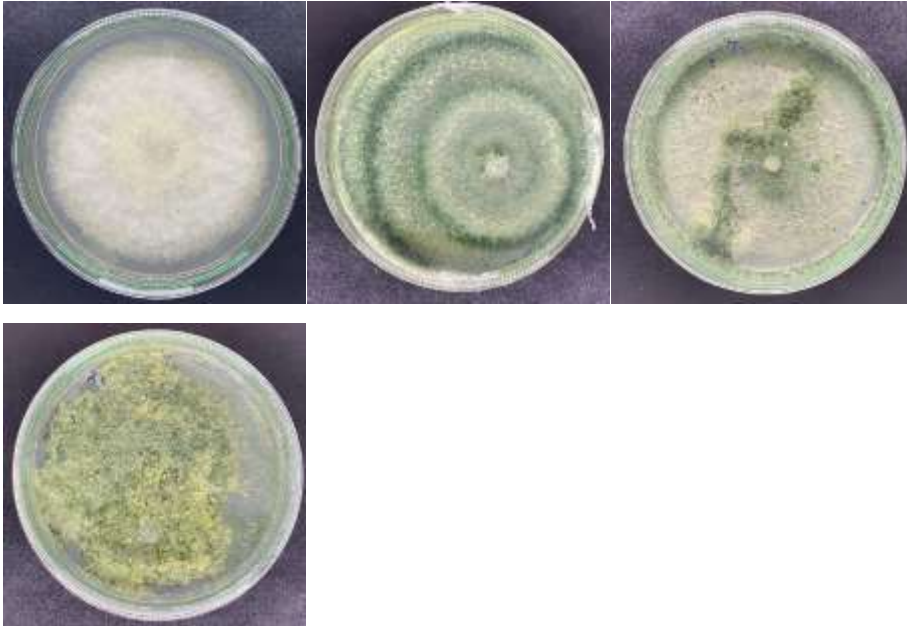
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LAMPIRAN

Lampiran 1. Dokumentasi sampel *Fusarium oxysporum*, *Trichoderma harzianum*, *Trichoderma asperellum*, *Trichoderma pubescens*



Lampiran 2. Dokumentasi penelitian Uji *In Vitro* dengan metode *dual culture*



Lampiran 3. Analisis Data Perhitungan Persentase Penghambatan Cendawan Dengan Metode Dual Culture

Tabel 3. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 1 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|-------|-------|-------|--------|--------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 16.67 | 0.00 | 14.29 | 0.00 | -20.00 | -20.00 | -9.04 | -1.51 |
| P2 | 0.00 | 0.00 | 12.5 | 12.5 | 11.11 | 0.00 | 36.11 | 6.02 |
| P3 | 14.29 | 12.50 | 42.86 | 25.00 | 14.29 | 16.67 | 125.61 | 20.94 |
| Total | 30.96 | 12.50 | 69.65 | 37.50 | 5.40 | -3.33 | 152.68 | 8.48 |

Tabel 4. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 1 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|--------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 1565.52 | 782.76 | 5.43 | * | 3.68 | 6.36 |
| Galat | 15 | 2161.96 | 144.13 | | | | |
| Total | 17 | 3727.49 | | | | | |
| KK | | | | 142% | | | |

Tabel 5. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 2 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|-------|-------|-------|-------|-------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 0.00 | 25.00 | 16.67 | 9.09 | 20.00 | 10.00 | 80.76 | 13.46 |
| P2 | 22.22 | 0.00 | 16.67 | 21.43 | 21.43 | 0.00 | 81.75 | 13.63 |
| P3 | 23.08 | 21.43 | 20.00 | 23.08 | 8.33 | 33.33 | 129.25 | 21.54 |
| Total | 45.30 | 46.43 | 53.34 | 53.60 | 49.76 | 43.33 | 291.76 | 16.21 |

Tabel 6. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 2 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|--------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 256.028 | 128.01 | 1.48 | tn | 3.68 | 6.36 |
| Galat | 15 | 1295.39 | 86.36 | | | | |
| Total | 17 | 1551.41 | | | | | |
| KK | | | | 57% | | | |

Tabel 7. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 3 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|-------|-------|--------|-------|-------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 40.00 | 47.06 | 37.50 | 33.33 | 35.71 | 35.71 | 229.31 | 38.22 |
| P2 | 40.00 | 0.00 | 16.67 | 33.33 | 26.67 | 28.57 | 145.24 | 24.21 |
| P3 | 41.18 | 38.89 | 20.00 | 44.44 | 35.29 | 33.33 | 213.13 | 35.52 |
| Total | 121.18 | 85.95 | 74.17 | 111.10 | 97.67 | 97.61 | 587.68 | 32.65 |

Tabel 8. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 3 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|--------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 663.256 | 331.63 | 3.34 | tn | 3.68 | 6.36 |
| Galat | 15 | 1487.56 | 99.17 | | | | |
| Total | 17 | 2150.81 | | | | | |
| KK | | | | 31% | | | |

Tabel 9. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 4 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|--------|-------|--------|--------|--------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 55.00 | 55.00 | 45.00 | 44.44 | 50.00 | 50.00 | 299.44 | 49.91 |
| P2 | 40.00 | 0.00 | 16.67 | 41.25 | 26.67 | 44.44 | 169.03 | 28.17 |
| P3 | 52.38 | 50.00 | 30.00 | 54.55 | 47.62 | 38.46 | 273.01 | 45.50 |
| Total | 147.38 | 105.00 | 91.67 | 140.24 | 124.29 | 132.90 | 741.48 | 41.19 |

Tabel 10. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 4 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|--------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 1584.29 | 792.14 | 5.79 | * | 3.68 | 6.36 |
| Galat | 15 | 2053.45 | 136.90 | | | | |
| Total | 17 | 3637.74 | | | | | |
| KK | | | | 28% | | | |

Tabel 11. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 5 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|--------|-------|--------|--------|--------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 62.50 | 62.50 | 52.17 | 54.55 | 57.14 | 59.09 | 347.95 | 57.99 |
| P2 | 40.00 | 0.00 | 16.67 | 26.67 | 26.67 | 52.38 | 162.39 | 27.07 |
| P3 | 61.54 | 60.71 | 22.22 | 56.52 | 52.17 | 30.77 | 283.93 | 47.32 |
| Total | 164.04 | 123.21 | 91.06 | 137.74 | 135.98 | 142.24 | 794.27 | 44.13 |

Tabel 12. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 5 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|---------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 2961.28 | 1480.64 | 7.09 | ** | 3.68 | 6.36 |
| Galat | 15 | 3130.94 | 208.729 | | | | |
| Total | 17 | 6092.22 | | | | | |
| KK | | | | 33% | | | |

Tabel 13. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 6 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|--------|-------|--------|--------|--------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 66.67 | 67.86 | 59.26 | 60.00 | 62.50 | 64.00 | 380.29 | 63.38 |
| P2 | 40.00 | 0.00 | 16.67 | 26.67 | 26.67 | 58.33 | 168.34 | 28.06 |
| P3 | 62.96 | 60.71 | 22.22 | 62.96 | 57.69 | 30.77 | 297.31 | 49.55 |
| Total | 169.63 | 128.57 | 98.15 | 149.63 | 146.86 | 153.10 | 845.94 | 47.00 |

Tabel 14. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 6 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|---------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 3802.32 | 1901.16 | 7.73 | ** | 3.68 | 6.36 |
| Galat | 15 | 3690.33 | 246.02 | | | | |
| Total | 17 | 7492.65 | | | | | |
| KK | | | | 33% | | | |

Tabel 15. Pengamatan persentase penghambatan cendawan dengan metode dual culture pada pengamatan 7 HSI

| Perlakuan | Ulangan | | | | | | Total | Rata-Rata |
|-----------|---------|--------|-------|--------|--------|--------|--------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| P1 | 70.00 | 70.00 | 60.71 | 62.96 | 65.38 | 65.38 | 394.43 | 65.74 |
| P2 | 40.00 | 0.00 | 16.67 | 26.67 | 26.67 | 60.00 | 170.01 | 28.34 |
| P3 | 66.67 | 63.33 | 22.22 | 60.71 | 60.71 | 30.77 | 304.41 | 50.74 |
| Total | 176.67 | 133.33 | 99.60 | 150.34 | 152.76 | 156.15 | 868.85 | 48.27 |

Tabel 16. Analisis sidik ragam persentase penghambatan cendawan dengan metode dual culture pada pengamatan 7 HSI

| SK | DB | JK | KT | F Hitung | Ket | F tabel | |
|-----------|----|---------|---------|----------|-----|---------|------|
| | | | | | | 0.05 | 0.01 |
| Perlakuan | 2 | 4251.74 | 2125.87 | 8.02 | ** | 3.68 | 6.36 |
| Galat | 15 | 3976.08 | 265.07 | | | | |
| Total | 17 | 8227.82 | | | | | |
| KK | | | | 34% | | | |